

(FILE 'HOME' ENTERED AT 22:32:51 ON 13 MAR 2008)

FILE 'CAPLUS, MEDLINE, USPATFULL' ENTERED AT 22:33:03 ON 13 MAR 2008

L1 166028 S (ROUGHNESS OR RUGOSITY)  
L2 13641 S L1 (S) (CARRIER OR PARTICLE OR POWDER OR LACTOSE OR EXCIPIENT  
L3 17344 S L1 (P) (CARRIER OR PARTICLE OR POWDER OR LACTOSE OR EXCIPIENT  
L4 4718 S L2 (S) (PROCESS OR METHOD OR PREPAR? OR MAKING)  
L5 254 S L4 (S) WET?  
L6 1 S L5 (S) ((DIAMETER OR SIZE) (3A) 90)  
L7 26 S L5 AND ((DIAMETER OR SIZE) (3A) 90)  
L8 26 DUP REM L7 (0 DUPLICATES REMOVED)  
L9 8 S L8 NOT PD>19990716  
L10 8 S L9 NOT L6

=> d que L2

L1 166028 SEA (ROUGHNESS OR RUGOSITY)  
L2 13641 SEA L1 (S) (CARRIER OR PARTICLE OR POWDER OR LACTOSE OR  
EXCIPIENT OR PARTICULATE OR GRANULE)

=> d que L3

L1 166028 SEA (ROUGHNESS OR RUGOSITY)  
L3 17344 SEA L1 (P) (CARRIER OR PARTICLE OR POWDER OR LACTOSE OR  
EXCIPIENT OR PARTICULATE OR GRANULE)

=> d L6 TI AB IBIB

L6 ANSWER 1 OF 1 USPATFULL on STN  
TI Powder particles with smooth surface for use in inhalation therapy  
AB Carrier particles, for use in the preparation of  
powdery mixtures for administration by inhalation, and having a median  
diameter of greater than 90 microns and a surface  
rugosity expressed as the fractal dimension of less than or  
equal to 1.1, may be prepared by subjecting particles having a  
median diameter of greater than 90 microns to  
repeated stages of wetting with a solvent and drying.

ACCESSION NUMBER: 2005:137469 USPATFULL

TITLE: Powder particles with smooth surface for use in  
inhalation therapy

INVENTOR(S): Caponetti, Giovanni, Parma, ITALY  
Catellani, Pier Luigi, Parma, ITALY  
Bettini, Ruggero, Parma, ITALY  
Colombo, Paolo, Parma, ITALY  
Ventura, Paolo, Parma, ITALY

PATENT ASSIGNEE(S): Chiesi Farmaceutici S.p.A., Parma, ITALY (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005118113	A1	20050602
APPLICATION INFO.:	US 2004-806240	A1	20040323 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-30686, filed on 16 Apr 2002, GRANTED, Pat. No. US 6780508 A 371 of International Ser. No. WO 2000-EP6690, filed on 13 Jul 2000		

	NUMBER	DATE
PRIORITY INFORMATION:	IT 1999-MI1582	19990716

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940  
 DUKE STREET, ALEXANDRIA, VA, 22314, US  
 NUMBER OF CLAIMS: 21  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 6 Drawing Page(s)  
 LINE COUNT: 755  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d L10 TI AB IBIB

L10 ANSWER 1 OF 8 USPATFULL on STN  
 TI Magnetic recording medium  
 AB A magnetic recording medium is disclosed, comprising a non-magnetic support having provided thereon at least a lower non-magnetic layer comprising a binder having dispersed therein a non-magnetic powder and an upper magnetic layer comprising a binder having dispersed therein a ferromagnetic powder which has been coated on said lower non-magnetic layer while the lower non-magnetic layer is wet, wherein the upper magnetic layer has an average dry thickness (d) of not more than 1.0  $\mu$ m and an average thickness variation (.sup.A d) at the interface between the upper magnetic layer and lower non-magnetic layer is not more than d/2. The magnetic recording medium exhibits excellent electromagnetic characteristics, running properties, and durability.  
 ACCESSION NUMBER: 1998:131480 USPATFULL  
 TITLE: Magnetic recording medium  
 INVENTOR(S): Ejiri, Kiyomi, Kanagawa, Japan  
 Inaba, Hiroo, Kanagawa, Japan  
 Saito, Shinji, Kanagawa, Japan  
 Hayakawa, Satoru, Kanagawa, Japan  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5827600		19981027
APPLICATION INFO.:	US 1996-760199		19961204 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-873201, filed on 24 Apr 1992, now patented, Pat. No. US 5616397 which is a continuation-in-part of Ser. No. US 1992-822975, filed on 21 Jan 1992, now patented, Pat. No. US 5258223		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-121873	19910425
	JP 1991-121875	19910425
	JP 1991-198309	19910715
	JP 1992-18416	19920108
	JP 1992-21782	19920110
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kiliman, Leszek	
LEGAL REPRESENTATIVE:	Stroock & Stroock & Lavan LLP	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	7141	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

=> d L10 2-8 TI AB IBIB

L10 ANSWER 2 OF 8 USPATFULL on STN

TI Magnetic recording medium

AB A magnetic recording medium is disclosed, comprising a non-magnetic support having provided thereon at least a lower non-magnetic layer comprising a binder having dispersed therein a non-magnetic powder and an upper magnetic layer comprising a binder having dispersed therein a ferromagnetic powder which has been coated on said lower non-magnetic layer while the lower non-magnetic layer is wet, wherein the upper magnetic layer has an average dry thickness (d) of not more than 1.0  $\mu\text{m}$  and an average thickness variation ( $\Delta d$ ) at the interface between the upper magnetic layer and lower non-magnetic layer is not more than  $d/2$ . The magnetic recording medium exhibits excellent electromagnetic characteristics, running properties, and durability.

ACCESSION NUMBER: 1998:115490 USPATFULL

TITLE: Magnetic recording medium

INVENTOR(S): Ejiri, Kiyomi, Odawara, Japan

Inaba, Hiroo, Odawara, Japan

Saito, Shinji, Odawara, Japan

Hayakawa, Satoru, Odawara, Japan

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5811172		19980922
APPLICATION INFO.:	US 1997-845536		19970425 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. 873201, filed on 24 Apr 1992, now patented, Pat. No. 5645917 And Ser. No. 761084, filed on 4 Dec 1996, now patented, Pat. No. 5756148 which is a continuation of Ser. No. 873201 which is a continuation-in-part of Ser. No. 822975, filed on 21 Jan 1992, now patented, Pat. No. 5258223		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 3-019221	19910121
	JP 3-121873	19910425
	JP 3-121875	19910425
	JP 3-198309	19910715
	JP 4-18416	19920108
	JP 4-21782	19920110
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kiliman, Leszek	
LEGAL REPRESENTATIVE:	Stroock & Stroock & Lavan LLP	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	7186	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L10 ANSWER 3 OF 8 USPATFULL on STN

TI Magnetic recording medium

AB A magnetic recording medium is disclosed, comprising a non-magnetic support having provided thereon at least a lower non-magnetic layer comprising a binder having dispersed therein a non-magnetic powder and an upper magnetic layer comprising a binder having dispersed therein a ferromagnetic powder which has been coated on said lower non-magnetic

layer while the lower non-magnetic layer is wet, wherein the upper magnetic layer has an average dry thickness (d) of not more than 1.0  $\mu\text{m}$  and an average thickness variation (.sup.A d) at the interface between the upper magnetic layer and lower non-magnetic layer is not more than d/2. The magnetic recording medium exhibits excellent electromagnetic characteristics, running properties, and durability.

ACCESSION NUMBER: 1998:98675 USPATFULL  
 TITLE: Magnetic recording medium  
 INVENTOR(S): Ejiri, Kiyomi, Kanagawa, Japan  
 Inaba, Hiroo, Kanagawa, Japan  
 Saito, Shinji, Kanagawa, Japan  
 Hayakawa, Satoru, Kanagawa, Japan  
 PATENT ASSIGNEE(S): Fuji Photo Film Co. Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5795646		19980818
APPLICATION INFO.:	US 1996-763620		19961204 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-873201, filed on 24 Apr 1992, now patented, Pat. No. US 5645917 which is a continuation-in-part of Ser. No. US 1992-822975, filed on 21 Jan 1992, now patented, Pat. No. US 5258223		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-121873	19910425
	JP 1991-121875	19910425
	JP 1991-198309	19910715
	JP 1992-18416	19920108
	JP 1992-21782	19920110
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kiliman, Leszek	
LEGAL REPRESENTATIVE:	Stroock & Stroock & Lavan LLP	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	7162	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L10 ANSWER 4 OF 8 USPATFULL on STN

TI Magnetic recording medium

AB A magnetic recording medium is disclosed, comprising a non-magnetic support having provided thereon at least a lower non-magnetic layer comprising a binder having dispersed therein a non-magnetic powder and an upper magnetic layer comprising a binder having dispersed therein a ferromagnetic powder which has been coated on said lower non-magnetic layer while the lower non-magnetic layer is wet, wherein the upper magnetic layer has an average dry thickness (d) of not more than 1.0  $\mu\text{m}$  and an average thickness variation (.sup.A d) at the interface between the upper magnetic layer and lower non-magnetic layer is not more than d/2. The magnetic recording medium exhibits excellent electromagnetic characteristics, running properties, and durability.

ACCESSION NUMBER: 1998:95320 USPATFULL  
 TITLE: Magnetic recording medium  
 INVENTOR(S): Ejiri, Kiyomi, Kanagawa, Japan  
 Inaba, Hiroo, Kanagawa, Japan  
 Saito, Shinji, Kanagawa, Japan  
 Hayakawa, Satoru, Kanagawa, Japan  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Tokyo, Japan (non-U.S.)

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5792543		19980811
APPLICATION INFO.:	US 1996-760595		19961204 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-873201, filed on 24 Apr 1992, now patented, Pat. No. US 5616397 which is a continuation-in-part of Ser. No. US 1992-822975, filed on 21 Jan 1992, now patented, Pat. No. US 5258223		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-121873	19910425
	JP 1991-121875	19910425
	JP 1991-198309	19910715
	JP 1992-18416	19920108
	JP 1992-21782	19920110
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kiliman, Leszek	
LEGAL REPRESENTATIVE:	Stroock & Stroock & Lavan LLP	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	7254	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L10 ANSWER 5 OF 8 USPATFULL ON STN

TI Magnetic recording medium

AB A magnetic recording medium is disclosed, comprising a non-magnetic support having provided thereon at least a lower non-magnetic layer comprising a binder having dispersed therein a non-magnetic powder and an upper magnetic layer comprising a binder having dispersed therein a ferromagnetic powder which has been coated on said lower non-magnetic layer while the lower non-magnetic layer is wet, wherein the upper magnetic layer has an average dry thickness (d) of not more than 1.0  $\mu$ m and an average thickness variation (.sup.A d) at the interface between the upper magnetic layer and lower non-magnetic layer is not more than d/2. The magnetic recording medium exhibits excellent electromagnetic characteristics, running properties, and durability.

ACCESSION NUMBER: 1998:82444 USPATFULL

TITLE: Magnetic recording medium

INVENTOR(S): Ejiri, Kiyomi, Odawara, Japan

Inaba, Hiroo, Odawara, Japan

Saito, Shinji, Odawara, Japan

Hayakawa, Satoru, Odawara, Japan

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5780141		19980714
APPLICATION INFO.:	US 1996-760626		19961204 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-873201, filed on 24 Apr 1992, now patented, Pat. No. US 5616397 which is a continuation-in-part of Ser. No. US 1992-822975, filed on 21 Jan 1992, now patented, Pat. No. US 5258223		

NUMBER	DATE
--------	------

PRIORITY INFORMATION: JP 1991-121873 19910425  
 JP 1991-121875 19910425  
 JP 1991-198309 19910715  
 JP 1992-18416 19920108  
 JP 1992-21782 19920110

DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Kiliman, Leszek  
 LEGAL REPRESENTATIVE: Stroock & Stroock & Lavan LLP  
 NUMBER OF CLAIMS: 16  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 3 Drawing Figure(s); 2 Drawing Page(s)  
 LINE COUNT: 7239  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 6 OF 8 USPATFULL on STN

TI Magnetic recording medium

AB A magnetic recording medium is disclosed, comprising a nonmagnetic support having provided thereon at least a lower nonmagnetic layer comprising a binder having dispersed therein a non-magnetic powder and an upper magnetic layer comprising a binder having dispersed therein a ferromagnetic powder which has been coated on said lower non-magnetic layer while the lower non-magnetic layer is wet, wherein the upper magnetic layer has an average dry thickness (d) of not more than 1.0  $\mu$ m and an average thickness variation ( $\Delta$ ) of not more than 1.0  $\mu$ m at the interface between the upper magnetic layer and lower non-magnetic layer is not more than d/2. The magnetic recording medium exhibits excellent electromagnetic characteristics, running properties, and durability.

CROSS-REFERENCE TO RELATED APPLICATION

ACCESSION NUMBER: 1998:64840 USPATFULL  
 TITLE: Magnetic recording medium  
 INVENTOR(S): Ejiri, Kiyomi, Kanagawa, Japan  
 Inaba, Hiroo, Kanagawa, Japan  
 Saito, Shinji, Kanagawa, Japan  
 Hayakawa, Satoru, Kanagawa, Japan  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5763046		19980609
APPLICATION INFO.:	US 1996-760071		19961204 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-873201, filed on 24 Apr 1992, now patented, Pat. No. US 5616397 which is a continuation-in-part of Ser. No. US 1992-822975, filed on 21 Jan 1992, now patented, Pat. No. US 5258223		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-121873	19910425
	JP 1991-121875	19910425
	JP 1991-198309	19910715
	JP 1992-18416	19920108
	JP 1992-21782	19920110
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kiliman, Leszek	
LEGAL REPRESENTATIVE:	Stroock & Stroock & Lavan LLP	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)	

LINE COUNT: 7172  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 7 OF 8 USPATFULL on STN

TI Magnetic recording medium

AB A magnetic recording medium is disclosed, comprising a non-magnetic support having provided thereon at least a lower non-magnetic layer comprising a binder having dispersed therein a non-magnetic powder and an upper magnetic layer comprising a binder having dispersed therein a ferromagnetic powder which has been coated on said lower non-magnetic layer while the lower non-magnetic layer is wet, wherein the upper magnetic layer has an average dry thickness (d) of not more than 1.0  $\mu\text{m}$  and an average thickness variation (.sup.A d) at the interface between the upper magnetic layer and lower non-magnetic layer is not more than d/2. The magnetic recording medium exhibits excellent electromagnetic characteristics, running properties, and durability.

ACCESSION NUMBER: 1998:57575 USPATFULL

TITLE: Magnetic recording medium

INVENTOR(S): Ejiri, Kiyomi, Kanagawa, Japan

Inaba, Hiroo, Kanagawa, Japan

Saito, Shinji, Kanagawa, Japan

Hayakawa, Satoru, Kanagawa, Japan

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5756148		19980526
APPLICATION INFO.:	US 1996-761084		19961204 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-873201, filed on 24 Apr 1992, now patented, Pat. No. US 5645917 which is a continuation-in-part of Ser. No. US 1992-822975, filed on 21 Jan 1992, now patented, Pat. No. US 5258223		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-121873	19910425
	JP 1991-121875	19910425
	JP 1991-198309	19910715
	JP 1992-18416	19920108
	JP 1992-21782	19920110
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kiliman, Leszek	
LEGAL REPRESENTATIVE:	Stroock & Stroock & Lavan LLP	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	7226	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 8 OF 8 USPATFULL on STN

TI Magnetic recording medium

AB A magnetic recording medium is disclosed comprising a non-magnetic support having provided thereon at least a lower non-magnetic layer comprising a binder having dispersed therein a non-magnetic powder and an upper magnetic layer comprising a binder having dispersed therein a ferromagnetic powder which has been coated on said lower non-magnetic layer while the lower non-magnetic layer is wet, wherein the upper magnetic layer has an average dry thickness (d) of not more than 1.0  $\mu\text{m}$  and an average thickness variation (.sup.A d) at the

interface between the upper magnetic layer and lower non-magnetic layer is not more than d/2. The magnetic recording medium exhibits excellent electromagnetic characteristics, running properties, and durability.

ACCESSION NUMBER: 97:58982 USPATFULL  
TITLE: Magnetic recording medium  
INVENTOR(S): Ejiri, Kiyomi, Kanagawa, Japan  
Inaba, Hiroo, Kanagawa, Japan  
Saito, Shinji, Kanagawa, Japan  
Hayakawa, Satoru, Kanagawa, Japan  
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5645917		19970708
APPLICATION INFO.:	US 1992-873201		19920424 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-822975, filed on 21 Jan 1992, now patented, Pat. No. US 5258223		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-121873	19910425
	JP 1991-121875	19910425
	JP 1991-198309	19910715
	JP 1992-18416	19920108
	JP 1992-21782	19920110
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kiliman, Leszek	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	7153	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		